

FIG. 17-1

	1	signal peptide										50																															
Hct1a4	M	A	C	L	G	F	Q	R	H	K	A	Q	L	N	L	A	A	R	T	W	P	C	T	L	L	F	F	L	L	F	I	P	V	F	C	K	A	V	V	L	A	S	S
Muct1a4	M	A	C	L	G	L	R	R	Y	K	A	Q	L	Q	L	P	S	R	T	W	P	F	V	A	L	L	T	L	L	F	I	P	V	F	S	E	A	V	V	L	A	S	S
Mcd28	M	T	L	R	L	L	F	L	A	L	N	F	F	.	S	V	Q	V	T	E	N	K	I	L	V	V	D	S
Rcd28	M	T	L	R	L	L	F	L	A	L	S	F	F	.	S	V	Q	V	T	E	N	K	I	L	V	V	D	N
Hcd28	M	L	R	L	L	L	A	L	N	L	F	P	S	I	Q	V	T	G	N	K	I	L	V	A	Y	D	
Chcd28	M	L	G	I	L	V	V	L	C	L	I	P	A	A	D	V	T	E	N	K	I	L	V	A	N		

	51	CDR 1-like										*	CDR 2-like										*	100		
Hctla4	R G	A S	F V	C C	E E	A A	S P	G K	A T	E V	R V	T V	L R	Q A	D S	Q Q	V T	E V	C A	A T	Y M	T G	N E	L T	F L	D D
Muctla4	H G	V A	S F	P C	E E	S S	S P	S H	N T	D E	V R	T V	L R	Q T	N D	Q M	T T	E V	C A	T T	F T	E K	N T	V G	F L	D Y
Mcd28	N E	V .	S L	S C	R R	S S	Y N	L L	A K	E F	R A	S L	Y K	G V	N S	D V	.	E V	C V	G N	G N	F T	Y Q	P Q	F R	S N
Rcd28	N E	V .	S L	S C	R R	S S	Y N	L L	A K	E F	R A	S L	Y K	G V	N S	D V	.	E V	C V	G N	G N	F T	Y Q	P Q	F R	P N
Hcd28	N A	V .	S L	S C	K K	S S	Y N	L F	S R	E F	R A	S L	H K	G L	D S	A V	.	E V	C V	Y Y	G N	Y S	Q Q	L Q	V Y	S K
Chcd28	R T	A .	T L	V C	N N	Y T	Y N	G T	G K	E F	R A	S L	H K	G T	D S	A V	.	E V	C F	I S	W N	M T	. K	I N	S N	S N

[illegible]

	151	*		transmembrane domain																200																												
Hctla	Q	I	D	P	E	P	C	.	.	.	P	D	S	D	F	L	L	M	I	L	A	A	A	S	S	G	L	F	F	M	S	F	L	L	T	.	A	V	S	L	S	K	M	L	K			
Muctla4	Q	I	D	P	E	P	C	.	.	.	P	D	S	D	F	L	L	M	I	L	V	A	V	S	S	L	G	L	F	F	M	S	F	L	L	T	.	A	V	S	L	S	K	M	L	K		
Mcd28	I	T	K	E	K	H	L	C	H	T	.	Q	S	S	P	K	L	E	F	M	A	L	V	V	V	A	A	G	V	L	F	C	M	G	L	L	T	V	A	V	C	V	I	W	T	N	S	
Rcd28	I	T	K	E	K	H	L	C	H	A	.	Q	T	S	P	K	L	E	F	M	P	L	V	V	V	A	A	G	V	L	L	C	M	G	L	L	T	V	T	L	C	I	I	W	T	N	S	
Hcd28	I	T	K	G	K	H	L	C	P	S	P	L	F	P	G	P	S	P	E	F	M	V	L	V	V	V	A	G	G	V	L	A	C	M	S	L	L	T	V	A	F	I	I	F	W	V	R	S
Chcd28	V	I	R	E	T	P	I	.	Q	T	Q	E	P	E	S	A	T	S	V	M	V	M	V	V	V	A	V	T	G	L	L	G	F	M	S	M	L	T	V	A	V	I	I	Y	R	O	K	S



Hct1a4
Muct1a4
Mcd28
Rcd28
Hcd28
Chcd28

243

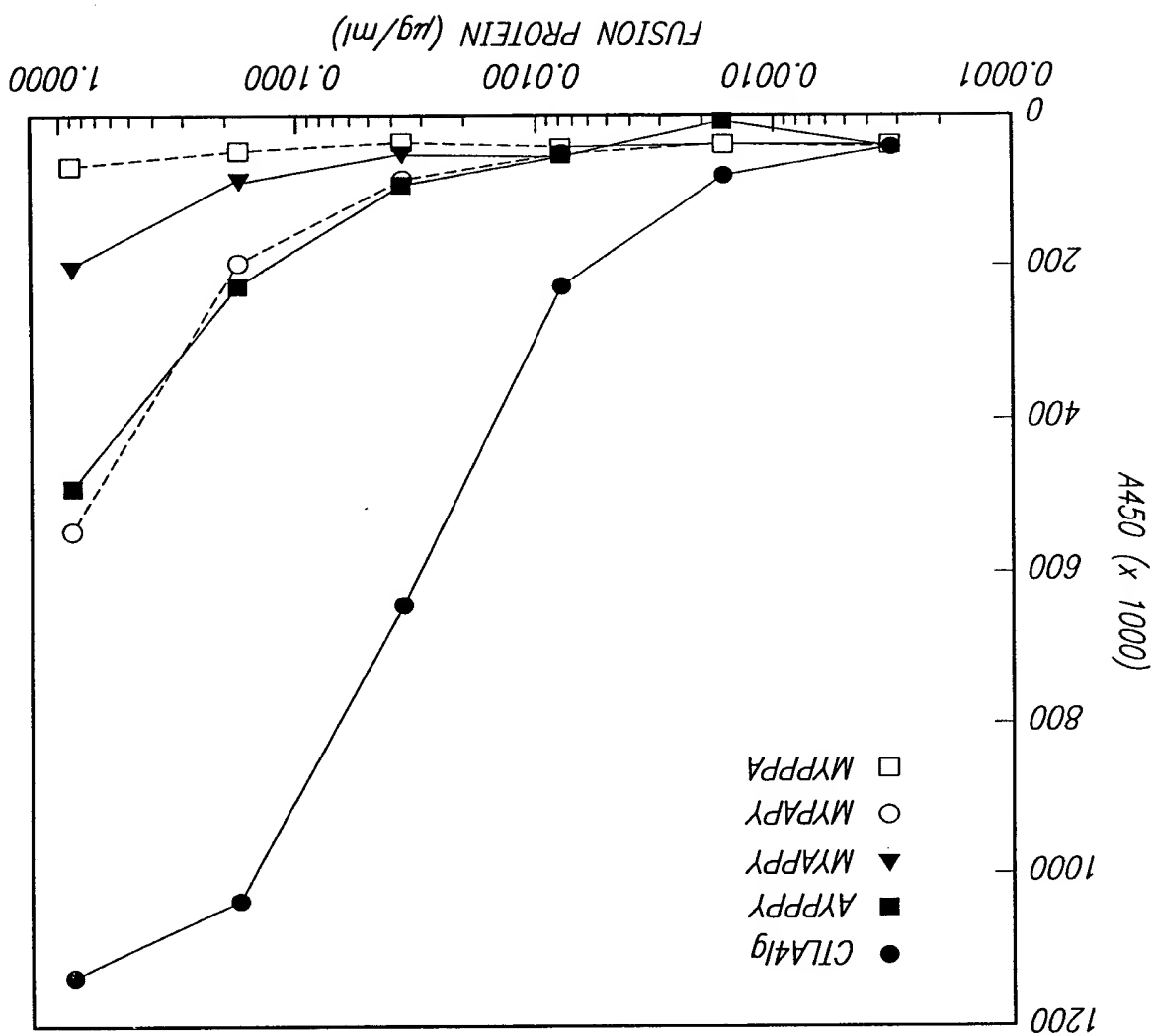
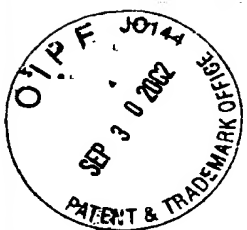


FIG. 18

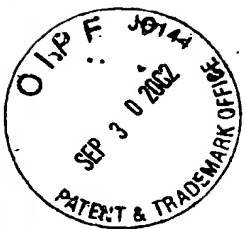


FIG. 20B

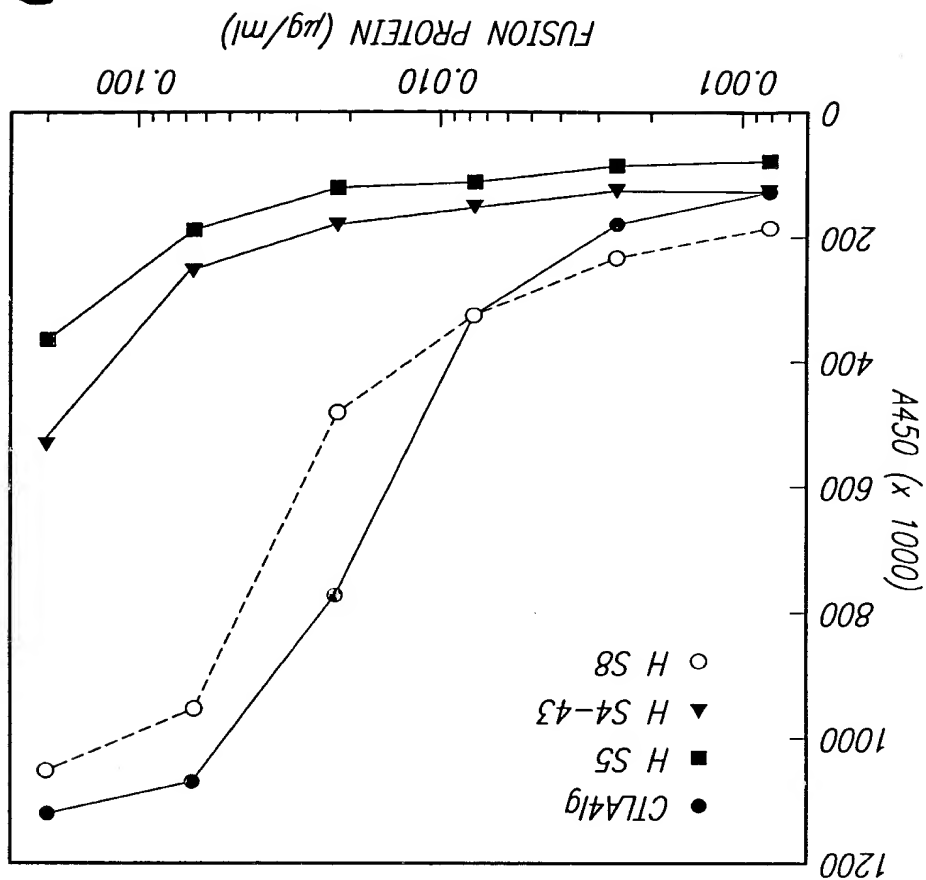
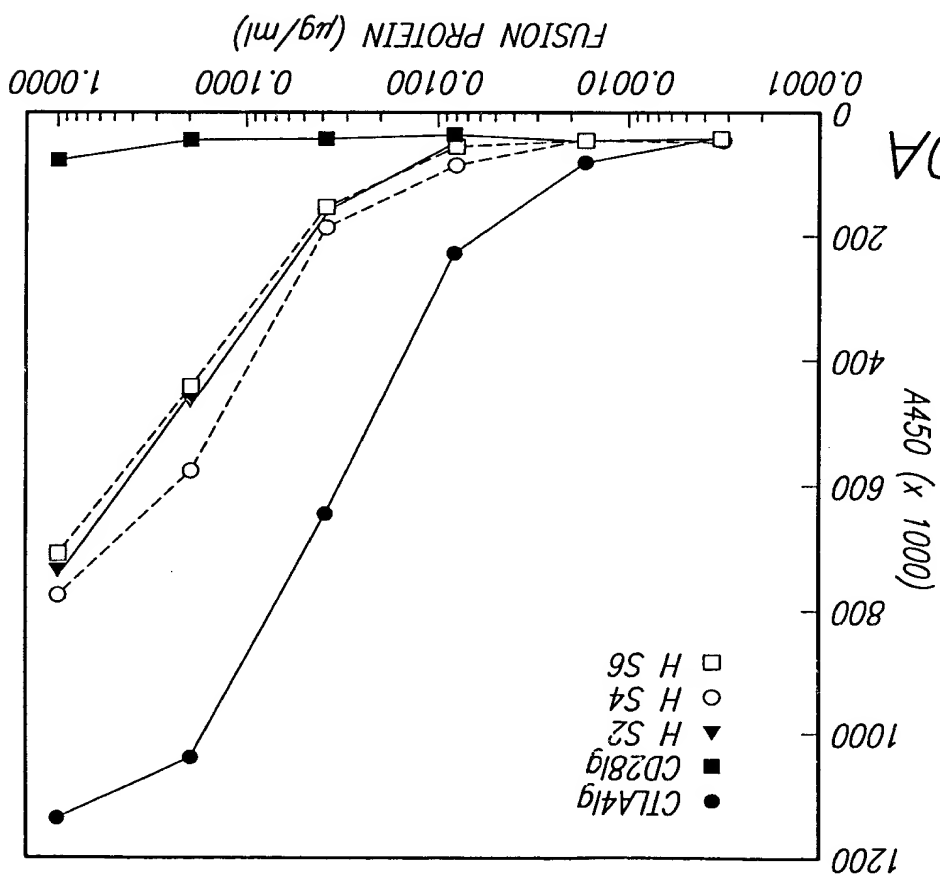


FIG. 20A



CTLA-4 Model

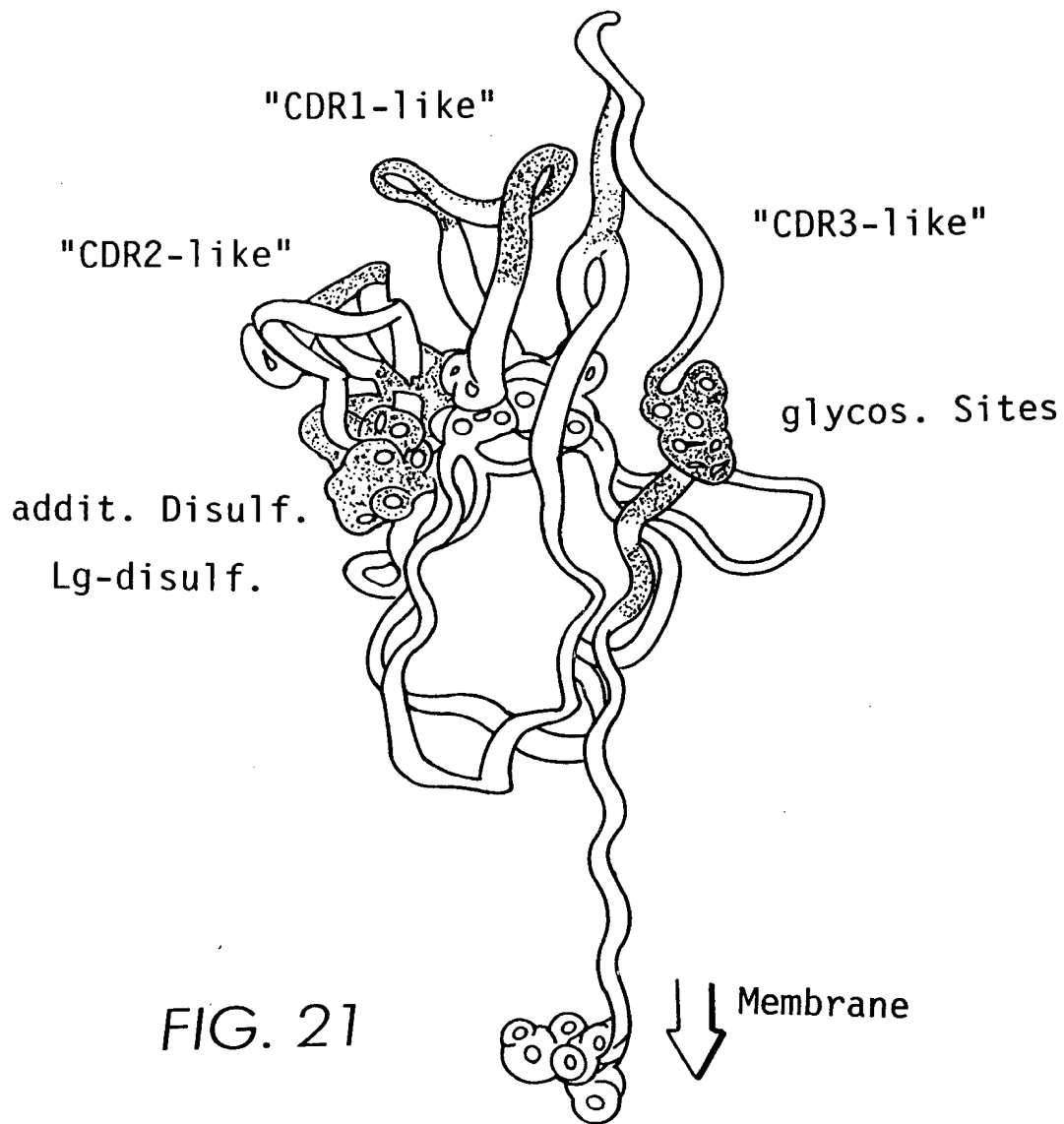


FIG. 21